



California Regional Water Quality Control Board

Los Angeles Region



Linda S. Adams
Cal/EPA Secretary

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Arnold Schwarzenegger
Governor

December 31, 2008

Mr. Michael T. Martin
Northrop Grumman Corporation
One Hornet Way, M/S PA13/W5
El Segundo, CA 90245-2804

COVERAGE UNDER GENERAL WASTE DISCHARGE PERMIT ORDER NO. R4-2007-0019 AND MONITORING AND REPORTING PROGRAM NO. CI-9067 (REVISED) – FORMER PARAPLAST AREA, 1515 RANCHO CONEJO BOULEVARD, NEWBURY PARK, CALIFORNIA (SCP NO. 252, SITE ID NO. 2047100)

Dear Mr. Martin:

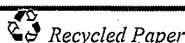
On August 8, 2006, Northrop Grumman Corporation was provided coverage under General Waste Discharge Requirements (WDR) No. R4-2005-0030, adopted by the Los Angeles Regional Water Quality Control Board (Regional Board) on May 5, 2005. The discharge for In-Situ Chemical Oxidation (ISCO) for field demonstration for groundwater impacted by volatile organic compounds (VOCs) in the former Paraplast Area was regulated under the WDR at the above-referenced site. On February 20, 2008, you submitted *Work Plan for Implementation of Full-scale ISCO in the Former Paraplast Area* (Work Plan), and this Regional Board approved the Work Plan on November 13, 2008.

This Work Plan includes the technical basis and methodology for implementing a full-scale in-situ chemical oxidation (ISCO) program using potassium permanganate solution in the shallow water-bearing zone (Zone A) to reduce the volatile organic compounds (VOC) concentrations, mainly trichloroethylene (TCE), to below the target goal of 100 micrograms per liter ($\mu\text{g/L}$). The Work Plan also describes task for phased injection of potassium permanganate solution into 32 injection wells (17 shallow injection wells and 15 deep injection wells). The progress will be monitored using 12 dual-nested groundwater monitoring wells.

Any potential adverse water quality impacts, that may result, shall be localized, of short-term duration and shall not impact any existing or prospective uses of groundwater. Groundwater quality shall be monitored to verify no long-term adverse impact to water quality. Northrop Grumman is located at N34° 12' 01", Longitude W118° 55' 41" in Newbury Park. The quantities of potassium permanganate solutions injected shall be documented per revised MRP No. CI-9067.

Please note that this Regional Board at a public hearing held on March 1, 2007, revised WDR No. R4-2005-0030 and adopted new WDR No. R4-2007-0019, *Revised General Waste Discharge Requirements for Groundwater Remediation at Petroleum Hydrocarbon Fuel, Volatile Organic Compound and/or Hexavalent Chromium Impacted Sites (File No. 01-116)*. Regional Board staff have reviewed the information provided and have determined that the proposed discharge meets the conditions specified in Regional Board Order No. R4-2007-0019. Therefore, enclosed are your new WDR consisting of WDR No. R4-2007-0019 and MRP No. CI-9067 (revised). Please note that the discharge limits listed in Attachment B, Table 3-10 of Order No. R4-2007-0019, for DWR Basin No. 4-10, Conejo Valley, are applicable to your discharge.

California Environmental Protection Agency



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

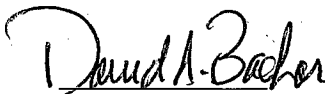
The "Monitoring and Reporting Program" requires you to implement the monitoring program on the effective date of this enrollment (December 16, 2008) under Regional Board Order No. R4-2007-0019. All monitoring reports shall be sent to the Regional Board, ATTN: Information Technology Unit. When submitting monitoring or technical reports to the Regional Board per these requirements, please include a reference to "Compliance File No. CI-9067", which will assure that the reports are directed to the appropriate file and staff. Submit each type of report as a separate document. Please do not combine other reports with your monitoring reports.

To avoid paying future annual fees, please submit written request for termination of your enrollment under the general permit in a separate letter, when your project has been completed and the permit is no longer needed. Be aware that the annual fee covers the fiscal year billing period beginning July 1 and ending June 30, the following year. You will pay the full annual fee if your request for termination is made after the beginning of the new fiscal year beginning July 1.

Board Order No. R4-2007-0019 can be obtained at our web site address:
http://www.swrcb.ca.gov/~rwqcb4/html/permits/general_permits.html.

If you have any questions, please contact Ms. Thizar Tintut-Williams at (213) 576-6723.

Sincerely,



Tracy J. Egoscue
Executive Officer

Enclosures: Fact Sheet
WDR Board Order No. R4-2007-0019
Monitoring and Reporting Program No. CI-9067 (revised)

cc: Mr. Mike Floyd, Division of Water Quality, State Water Resources Control Board
Ms. Jennifer Fordyce, Office of Chief Counsel, State Water Resources Control Board
Mr. Alex Carlos, California Regional Water Quality Control Board – Los Angeles Region
Mr. Alfonso Medina, Public Health, Environmental Health, County of Los Angeles
Mr. Richard Gebert, Department of Toxic Substances Control, Chatsworth
Mr. Richard W. Blackmer, Equipoise Corporation
Mr. Patrick J. Stich, Equipoise Corporation

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